



Cold Climate Housing Research Center

CCHRC

PROGRESS REPORT

GRANT NUMBER: 7310026

COLD CLIMATE HEAT PUMP DEMONSTRATION

COLD CLIMATE HOUSING RESEARCH CENTER

4/1/2015 – 6/30/2015

Deliverables Submitted

No reports were submitted this quarter.

Budget:

Amount Invoiced: \$474.91

Schedule Status

We are on schedule. We will analyze second year data over the course of the summer.

Percent Complete

	Start Date	End Date	Percent Complete
Thermal Response Test	Sep-12	Oct-12	100%
Heat pump system design	Nov-12	Mar-13	100%
Update monitoring plan	Nov-12	Mar-13	100%
Ground loop installation	Jun-13	Jul-13	100%
Heat pump installation	May-13	Nov-13	100%
Data acquisition system installation	Jun-13	Dec-13	100%
Commissioning	Sep-13	Jan-14	100%
System monitoring and maintenance Year 1	Sep-13	Sep-14	100%
System monitoring and maintenance Year 2	Sep-14	Sep-15	80%
System monitoring and maintenance Year 3	Sep-15	Mar-16	N/A
Data analysis, LCCA, and draft report completion	Apr-16	Jun-16	10%
Final project report	Jul-16	Jul-16	N/A

Work Progress

The systems are running and will continue their operation with minimal management for approximately one more year. The project has a website, <http://www.cchrc.org/ground-source-heat-pump-demonstration-cchrc>.

Future Work

Monitoring the heat pump will involve occasional data verification over the next year. A maintenance log will also be kept in detail.